

A (p.1)

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>Title: **EP0477525B1: Temporarily inelastic combination-embroidery yarn, m  
manufacturing same and its use** [German][French]

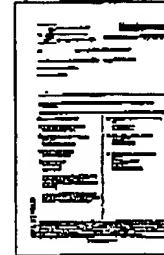
Derwent Title: Embroidery thread for stretch fabrics - has a soluble cladding thread component to make thread inelastic for stitching but which allows it to stretch when dissolved [Derwent Record](#)

Country: EP European Patent Office (EPO)

Kind: B1 Patent (See also: [EP0477525A1](#))

Inventor: Klaus, Richard, Dipl.-Ing.;

Assignee: GVW Garnveredlungswerke GmbH  
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Published / Filed: 1994-10-19 / 1991-08-16

Application Number: EP1991000113730

IPC Code: D02G 3/32;

ECLA Code: D02G3/32E; D02G3/40C2; D06M15/333;

Priority Number: 1990-08- [DE1990004027279](#)

Abstract: [From equivalent EP0477525A1] The invention relates to temporarily inelastic combination- embroidery yarns based on virtually unstretched, highly elastic core filament yarns (for example based on elastanes), covered with an inner covering yarn composed of soluble yams (for example PVA-hot water-soluble) and an outer covering yarn composed of textile threads or yams, (for example viscose, polyamide or polyester). They are produced by covering a virtually unstretched, highly elastic core fibre, (for example elastane filament yams) with an inner covering yarn based on a soluble covering yarn (for example hot water-soluble polyvinyl alcohol yam) and an outer covering yarn composed of an insoluble textile covering yam. Such a temporarily inelastic combination yam is used as an embroidery yam for embroidery application (decoration, pattern) on elastic backing fabrics/knitted fabrics with subsequent dissolving-out of the soluble inner covering yam (for example PVA) with release of a certain elastic mobility of the embroidery yam, which after this dissolving-out (for example in aqueous finishing processes) has such a stretchability that the applied embroidery can follow the elastic stretchings of the base fabric/knitted fabric.

Attorney, Agent or Firm: Gremm, Joachim, Dr. et al.

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Legal Status:  
Designated AT CH DE FR GB IT LI  
Country:

## A (P.2)

Family: [Show 5 known family members](#)

First Claim: [Show all claims](#) 1. A covered yarn consisting of a highly elastic core yarn (A), an inner, inelastic, soluble covering yarn (B) and an outer, insoluble, textile covering yarn (C), the covered yarn being initially inelastic and the highly elastic core yarn (C) being substantially unstretched, characterized in that the covered yarn has an elasticity of < 5%, preferably < 3% and more preferably < 1%, in that the covering yarns are wound crosswise around the highly elastic core yarn and in that, after the soluble inner covering yarn (B) has been dissolved out, the yarn does not shrink by more than the constituent material shrinkage of at most 20% and preferably 10% and, after the inner soluble covering yarn (B) has been dissolved out, has an elasticity of 0.1 to 100%, preferably 10 to 40% and more preferably 20 to 30%.

[\[German\]](#) [\[French\]](#)

Other Abstract DERABS C92-080955

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